

Claims

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1. An x-ray examination apparatus comprising

- an x-ray image sensor matrix (1) for deriving an initial image signal from an x-ray image,
- a correction unit (2) for deriving a corrected image signal from the initial image signal

characterised in that

- the correction unit (2) includes a
- memory (3) for storing correction values and
- an arithmetic unit (4) for computing signal levels of the corrected image signal from signal levels of the initial image signal and at least some of said correction values.

2. An x-ray examination apparatus as claimed in Claim 1, characterised in that

- the correction unit (2) includes a selection unit (5) for selecting correction values from the memory (3) on the basis of exposure parameters.

3. An x-ray examination apparatus as claimed in Claim 2, characterised in that

- the correction unit (2) is arranged to generate a

reference image signal from the x-ray sensor matrix (1),
- the selection unit (5) is arranged to select the
correction values on the basis of the reference image signal.

4. An x-ray examination apparatus as claimed in any one of the
preceding Claims, characterised in that

- the arithmetic unit (4) is arranged to compute
correction values from stored correction values.

5. An x-ray examination apparatus as claimed in Claim 4,
characterised in that

- the arithmetic unit (4) is arranged to interpolate said
computed correction values between stored correction values.